

TABLE 1

11	20	29	38	47	56
5'GGAGC TCC GAG TGT CCA CAG GAA GGG AAC TAT CAG CTC CTG GCA TCT GTA AGG ATG					
---	---	---	---	---	---
					M
65	74	83	92	101	110
CTG TCC ATG CTG AGG ACA ATG ACC AGA CTC TGC TTC CTG TTA TTC TCT GTG					
---	---	---	---	---	---
L S M L R T M T R L C F L L F F S V					
---	---	---	---	---	---
119	128	137	146	155	164
GCC ACC AGT GGG TGC AGT GCA GCA GCC TCT TCT CTT GAG ATG CTC TCG AGG					
---	---	---	---	---	---
A T S G C S A A A A S S L E M L S R					
---	---	---	---	---	---
173	182	191	200	209	218
GAA TTC GAA ACC TGT GCC TTC TCC TCT TCT TCC CTG CCT AGA AGC TGC AAA GAA					
---	---	---	---	---	---
E F E T C A F S S F S S L P R S C K E					
---	---	---	---	---	---
227	236	245	254	263	272
ATC AAG GAA CGC TGC CAT AGT GCA GGT GAT GGC GGC CTG TAT TTT CTC CGC ACC AAG					
---	---	---	---	---	---
I K E R C H S A G D G L Y F L R T K					
---	---	---	---	---	---
281	290	299	308	317	326
AAT GGT GTT GTC TAC CAG ACC TTC TGT GAC ATG ACT TCT GGG GGT GGC GGC TGG					
---	---	---	---	---	---
N G V V Y Q T F C D M T S G G G G W					

FIGURE 1A

335	344	353	362	371	380
ACC CTG GTG GCC AGC GTG CAC GAG AAT GAC ATG CAT GGG AAG TGC ACG GTG GGT					
T L V A S V H E N D M H G K C T V G					
389	398	407	416	425	434
GAT CGC TGG TCC AGT CAG CAG GGC AAC AAA GCA GAC TAC CCA GAG GGG GAT GGC					
D R W S S Q Q Q G N K A D Y P E G D G					
443	452	461	470	479	488
AAC TGG GCC AAC TAC AAC ACC TTT GGA TCT GCA GAG GCG GCC ACG AGC GAT GAC					
N W A N Y N T F G S A E A A T S D D					
497	506	515	524	533	542
TAC AAG AAC CCT GGC TAC TAC GAC ATC CAG GCC AAG GAC CTG GGC ATC TGG CAT					
Y K N P G Y Y D I Q A K D L G I W H					
551	560	569	578	587	596
GTG CCC AAC AAG TCC CCC ATG CAG CAT TGG AGA AAC AGC GCC CTG CTG AGG TAC					
V P N N K S P M Q H W R N S A L L R Y					
605	614	623	632	641	650
CGC ACC AAC ACT GGC TTC CTC CAG AGA CTG GGA CAT AAT CTG TTT GGC ATC TAC					
R T N T G G F L Q R L L G H N L F G I Y					

FIGURE 1B

659	668	677	686	695	704
CAG AAA TAC CCA GTG AAA TAC AGA TCA GGG AAA TGT TGG AAT GAC AAT GGC CCA					
Q K Y P V K Y R S G K C W N D N G P					
713	722	731	740	749	758
GCC ATA CCT GTG GTC TAT GAC TTT GGT GAT GCT AAG AAG ACT GCA TCT TAT TAC					
A I P V V Y D F G D A K K T A S Y Y					
767	776	785	794	803	812
TCA CCG TAT GGT CAA CGG GAA TTT GTT GCA GGA TTC GTT CAG TTC CGG GTG TTT					
S P Y G Q R E F V A G F V Q F R V F					
821	830	839	848	857	866
AAT AAC GAG AGA GCA GCC AAC GCC CTT TGT GCT GGG ATA AAA GTT ACT GGC TGT					
N N E R A A N A L C A G I K V T G C					
875	884	893	902	911	920
AAC ACT GAG CAT CAC TGC ATC GGT GGA GGA GGG TTC TTC CCA CAG GGC AAA CCC					
N T E H H C I G G G G F F P Q G K P					
929	938	947	956	965	974
CGT CAG TGT GGG GAC TTC TCC GCC TTT GAC TGG GAT GGA TAT GGA ACT CAC GTT					
R Q C G D F S A F D W D G Y G T H V					

FIGURE 1C

983	992	1001	1010	1019	1028
AAG AGC AGC	TGC AGT CGG	GAG ATA ACG	GCG GCT GTA	CTC TTG TTC	TAT TAT AGA
K S S	C S R E I T E A A V L L F Y R				
1037	1046	1055	1064	1073	1082
TGA GAC AGA	GCT CTG CGG	TGT CAG GGC	GAG AAC CCA	TCT TCC AAC	CCC GGC TAT
1091	1100	1109	1118	1127	1136
TTG GAG ACG	GAA AAA CTG	GAA TTC TAA	CAA CAA GGA	GGA GAG GAG	ACT AAA TCA

CAA TTC 3'

FIGURE 1D

1	M	L	S	M	L	R	T	M	T	R	L	C	F	L	L	F	F	S	V	A	2921920CD1
1	M	-	-	-	-	-	-	-	N	Q	L	S	F	L	L	F	L	I	A	T	g8096221
1	M	-	-	-	-	-	-	-	T	Q	L	G	F	L	L	F	I	M	V	A	g3357909
21	T	S	G	C	S	A	A	A	S	S	L	E	M	L	S	R	E	F	E	2921920CD1	
14	T	R	G	W	S	T	D	E	A	N	T	Y	-	-	-	F	K	E	W	-	g8096221
14	T	R	G	C	S	A	A	E	E	N	-	-	-	L	D	T	N	R	W	G	g3357909
41	T	C	A	F	S	S	S	L	P	R	S	C	K	E	I	K	E	R	C	2921920CD1	
30	T	C	S	S	S	-	P	S	L	P	R	S	C	K	E	I	K	D	E	C	g8096221
31	-	-	N	S	F	F	S	S	L	P	R	S	C	K	E	I	K	Q	E	H	g3357909
61	H	S	A	G	D	G	L	Y	F	L	R	T	K	N	G	V	V	Y	Q	T	2921920CD1
49	P	S	A	F	D	G	L	Y	F	L	R	T	E	N	G	V	I	Y	Q	T	g8096221
49	T	K	A	Q	D	G	L	Y	F	L	R	T	K	N	G	V	I	Y	Q	T	g3357909
81	F	C	D	M	T	S	G	G	G	G	W	T	L	V	A	S	V	H	E	N	2921920CD1
69	F	C	D	M	T	S	G	G	G	G	W	T	L	V	A	S	V	H	E	N	g8096221
69	F	C	D	M	T	T	A	G	G	G	W	T	L	V	A	S	V	H	E	N	g3357909

FIGURE 2A

Figure 2B

101 D M H G K C T V G D R W S S Q Q G N K A 2921920CD1
 89 D M R G K C T V G D R W S S Q Q G S K A g8096221
 89 N M R G K C T V G D R W S S Q Q G N R A g3357909

121 D Y P E G D G N W A N Y N T F G S A E A 2921920CD1
 109 D Y P E G D G N W A N Y N T F G S A E A g8096221
 109 D Y P E G D G N W A N Y N T F G S A E A g3357909

141 A T S D D Y K N P G Y Y D I Q A K D L G 2921920CD1
 129 A T S D D Y K N P G Y Y D I Q A K D L G g8096221
 129 A T S D D Y K N P G Y F D I Q A E N L G g3357909

161 I W H V P N K S P M Q H W R N S A L L R 2921920CD1
 149 I W H V P N K S P M Q H W R N S L L R g8096221
 149 I W H V P N K S P L H N W R K S L L R g3357909

181 Y R T N T G F L Q R L G H N L F G I Y Q 2921920CD1
 169 Y R T D T G F L Q T L G H N L F G I Y Q g8096221
 169 Y R T F T G F L Q H L G H N L F G L Y K g3357909

FIGURE 2B

Figure 2C

201	K Y P V K Y R S G K C W N D N G P A I P	2921920CD1
189	K Y P V K Y G E G K C W T D N G P V I P	g8096221
189	K Y P V K Y G E G K C W T D N G P A L P	g3357909
221	V V Y D F G D A K K T A S Y Y S P Y G Q	2921920CD1
209	V V Y D F G D A Q K T A S Y Y S P Y G Q	g8096221
209	V V Y D F G D A R K T A S Y Y S P S G Q	g3357909
241	R E F V A G F V Q F R V F N N E R A A N	2921920CD1
229	R E F T A G F V Q F R V F N N E R A A N	g8096221
229	R E F T A G Y V Q F R V F N N E R A A S	g3357909
261	A L C A G I K V T G C N T E H H C I G G	2921920CD1
249	A L C A G M R V T G C N T E H H C I G G	g8096221
249	A L C A G V R V T G C N T E H H C I G G	g3357909
281	G G F F P Q G K P R Q C G D F S A F D W	2921920CD1
269	G G Y F P E A S P Q Q C G D F S G F D W	g8096221
269	G G F F P E G N P V Q C G D F A S F D W	g3357909

FIGURE 2C

TOGETHER 00942260

301	D	G	Y	G	T	H	V	K	S	S	C	S	R	E	I	T	E	A	A	V	2921920CD1
289	S	G	Y	G	T	H	V	G	Y	S	S	S	R	E	I	T	E	A	A	V	g8096221
289	D	G	Y	G	T	H	N	G	Y	S	S	S	R	K	I	T	E	A	A	V	g3357909
321	L	L	F	Y	R																2921920CD1
309	L	L	F	Y	R																g8096221
309	L	L	F	Y	R																g3357909

FIGURE 2D